

The Listing of Claims will replace all prior versions and listings of claims in the present patent application:

Listing of Claims

1-3 (Canceled)

4. (Currently Amended) An apparatus for ~~transmitting generating at least one segment of time-sensitive information over a wireless voice over data communication system, used in conjunction with a predefined data protocol~~, comprising:

~~means for negotiating a maximum segment size with a receiver;~~

~~a memory for storing the maximum segment size;~~

a queue for storing data frames, said data frames representing time-sensitive information; and

a first processor for generating a first segment ~~from said~~ of time-sensitive information if a sufficient quantity of said time-sensitive information is available for transmission, said first segment having a segment size between ~~said a defined~~ minimum segment size and ~~said a defined~~ maximum segment size; and generating a second segment ~~of time sensitive information~~ having a segment size less than or equal to said maximum segment size upon the receipt of an acknowledgement message from ~~said a receiver, wherein the first segment size is different from the second segment size.~~

5. (Original) The apparatus of claim 4, further comprising a vocoder for generating data frames from said time-sensitive information.

6-11 (Canceled)

12. (Currently Amended) A method for ~~transmitting generating at least one segment of time-sensitive information over a wireless voice over data communication system, used in conjunction with a predefined data protocol~~, comprising:

defining a minimum segment size for information to be transmitted;

defining a maximum segment size for information to be transmitted, said maximum segment size being greater than said minimum segment size;

generating a first segment ~~from said~~ of time-sensitive information if a sufficient quantity of said time-sensitive information is available for transmission, said first segment having a segment size between said minimum segment size and said maximum segment size; and

generating a second segment of time sensitive information having a segment size less than or equal to said maximum segment size upon the receipt of an acknowledgment message from a receiver, wherein the first segment size is different from the second segment size.

13. (Currently Amended) A computer-readable medium embodying means for implementing a method for transmitting generating at least one segment of time-sensitive information over a wireless voice over data communication system, said computer-readable medium comprising instructions that are executable by at least one processor housed in conjunction with a predefined data protocol, the method comprising:

defining define a minimum segment size for information to be transmitted;

defining define a maximum segment size for information to be transmitted, said maximum segment size being greater than said minimum segment size;

generating generate a first segment ~~from said~~ of time-sensitive information if a sufficient quantity of said time-sensitive information is available for transmission, said first segment having a segment size between said minimum segment size and said maximum segment size; and

generating generate a second segment of time sensitive information having a segment size less than or equal to said maximum segment size upon the receipt of an acknowledgment message from a receiver, wherein the first segment size is different from the second segment size.

14. (Currently Amended) An apparatus for transmitting generating at least one segment of time-sensitive information over a wireless voice over data communication system, used in conjunction with a predefined data protocol, comprising:

means for defining a minimum segment size for information to be transmitted;

means for defining a maximum segment size for information to be transmitted, said maximum segment size being greater than said minimum segment size;

means for generating a first segment ~~from said of~~ time-sensitive information if a sufficient quantity of said time-sensitive information is available for transmission, said first segment having a segment size between said minimum segment size and said maximum segment size; and

means for generating a second segment of time sensitive information having a segment size less than or equal to said maximum segment size upon the receipt of an acknowledgment message from a receiver, wherein the first segment size is different from the second segment size.

15. (New) The apparatus of claim 4, wherein the apparatus is implemented in a base station.

16. (New) The apparatus of claim 14, wherein the apparatus is implemented in a base station.

17. (New) A processor adapted to generate at least one segment of time sensitive information comprising:

means for defining a minimum segment size for information to be transmitted;

means for defining a maximum segment size for information to be transmitted, said maximum segment size being greater than said minimum segment size;

means for generating a first segment of said time-sensitive information if a sufficient quantity of said time-sensitive information is available for transmission, said first segment having a segment size between said minimum segment size and said maximum segment size; and

means for generating a second segment of time sensitive information having a segment size less than or equal to said maximum segment size upon the receipt of an acknowledgment message from a receiver, wherein the first segment size is different from the second segment size.